=> d his•
(FILE 'USPAT' ENTERED AT 09:29:21 ON 29 JUN 94)
L1 162 S (SIMULTANEOUS? OR CONCURRENT?) (7A) (SEE? OR VIEW?)
L2 16 S L1 AND 395/CLAS
L3 71481 S (SIMULTANEOUS? OR CONCURRENT?) (P) (VIEW? OR SEE?)
L4 5 S L3 (P) (EDIT? OR CHANG?) (P) (MULTIPLE USER# OR MULTIUSE R)
L5 6 S WYSIWIS
L6 3 S L5 NOT L4

US PAT NO: 5,107,443 [IMAGE AVAILABLE] L4: 2 of 5

SUMMARY: BSUM(4) Stefik, M., Bobrow, D. G., Foster, G., Lanning, S., and Tatar, D., "WYSIWIS Revised: Early Experiences with **Multiuser** Interfaces," ACM Transactions on Office Information Systems, Vol. 5, No. 2 (April 1987), pp. 147-167, described **multiuser** interfaces that provide users with **simultaneous**, shared access to a database. Pages 149 and 158 described how such an interface may include both public or **multiuser** windows and private or single-user windows. The section beginning on page 152 deals with various relaxations of strict WYSIWIS ("what you **see** is what I **see**"--each user **sees** the same thing). Some WYSIWIS relaxations introduce privacy into public windows. Page 161 describes how certain display regions can be. . . 36, in discussing time and space tradeoffs, mentions that an approach to the screen space problem is to allow private **views** of shared data. Pages 44-47 discuss WYSIWIS relaxations that permit private **views** of public objects, as well as private objects. FIG. 3.9 illustrates individual **views** of a shared model. Pages 87-89 describe busy signals to help avoid conflict between participants. As shown in FIG. 4.9, a busy item is greyed out in all **views** when being **edited**, moved, or grouped, warning other participants of the work in progress. Pages 121-132 discuss database management techniques to avoid conflict.

US PAT NO: 5,043,876 [IMAGE AVAILABLE] L4: 3 of 5

ABSTRACT: A shared file environment permits **multiple** **users** to read a file that is being updated **concurrently**. The process maintains N level shadows for a file to allow **multiple** **users** to read a file even though that file may be updated by one or more updaters in succession. A reader of a file does not need to wait on an updater of the file nor does the reader **see** any updates as they are being made. Each reader that opens the file **sees** the latest committed level of the file; that is, if reader A opens the file for read before updater B commits his **changes**, then there will exist one level shadow for the file after B commits. The process maintains N level shadows for. . .

US PAT NO: 4,655,268 [IMAGE AVAILABLE] L4: 5 of 5

DETDESC: DETD(26) The . . . 134 in FIGS. 11 and 12. The configured peripheral edge or edges 136 of the panel 134, shaped as best **seen** in FIGS. 9 and 11, are particularly adapted for accommodation within the shaped edges 84 of the previously described shaped. . . are frequently provided in doors, shutters, and the like. The capacity of properly edge cut and shape such panels almost **simultaneously** with the edge shaping and cutting of the framing members or stiles associated therewith, all on the same apparatus and without multiple **changes** in the cutter assembly set-up, is highly significant in achieving an economical, efficient and productive manufacturing procedure whether employing a single user or operator or **multiple** **users** **simultaneously** accessing the various cutter and shaper assemblies.

US PAT NO: 5,159,669 [IMAGE AVAILABLE] L6: 2 of 3

SUMMARY: BSUM(10) Stefik, M., Bobrow, D. G., Foster, G. Lanning, S., and Tatar, D., "**WYSIWIS** Revised: Early Experiences with Multiuser Interfaces," ACM Transactions on Office Information Systems, Vol. 5, No. 2, April 1987, pp. 147-167,. . .

US PAT NO: 4,974,173 [IMAGE AVAILABLE] L6: 3 of 3

SUMMARY: BSUM(12) Foster, . . . describes the use of RemoteMice, personalized images of mouse cursors active on remote machines, at page 13. The relaxation of **WYSIWIS** ("What You See Is What I See"), discussed at page 8, permits differences between the views of a display object. . .
DETDESC: DETD(23) The . . . A description of such an implementation appears in Stefik, M., Bobrow, D. G., Lanning, S., Tatar, D. and Foster, G., "**WYSIWIS** Revised: Early Experiences with Multi-User Interfaces," Proceedings of the Conference on Computer-Supported Cooperative Work, Austin, Texas, Dec. 3-5, 1986. pp.. . .